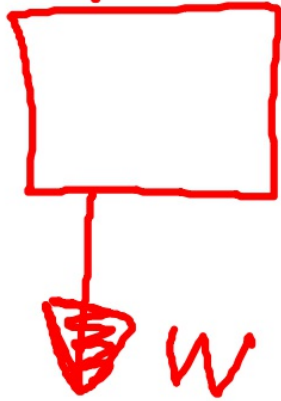
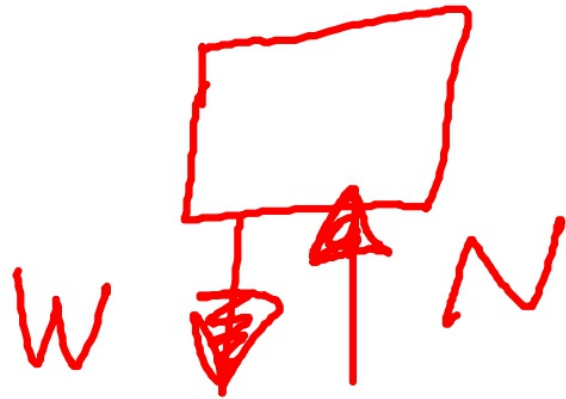


Weight (W) down ↓
ALWAYS Present

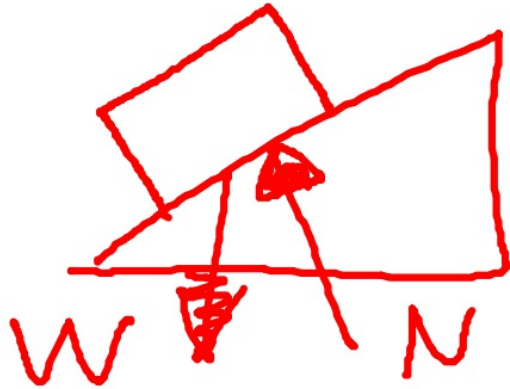


NORMAL FORCE (N)
the equal + opposite Force
(3rd Law)



NORMAL FORCE IS SOMETIMES
EQUAL TO THE WEIGHT.

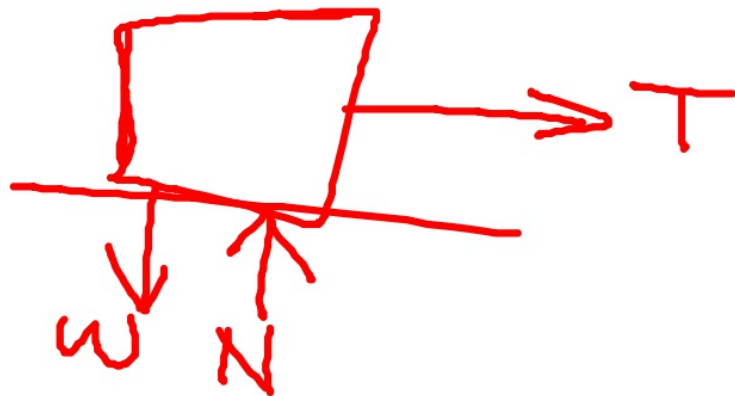
*NORMAL FORCE IS \perp PERPENDICULAR
TO THE SURFACE.



*NO CONTACT

NO NORMAL FORCE

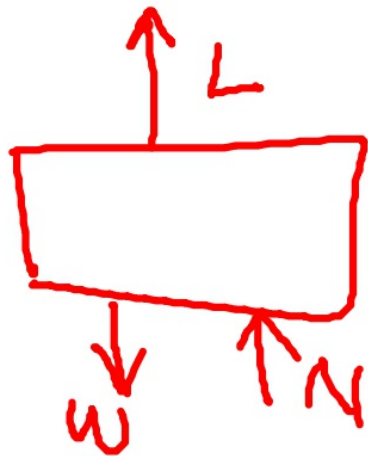
TENSION (T)
PULL ON AN OBJECT WITH
a rope or chain



The Tension Force IS ALWAYS
Along the rope/chain

LIFT FORCE (L)

ANY FORCE THAT LIFTS
AN OBJECT



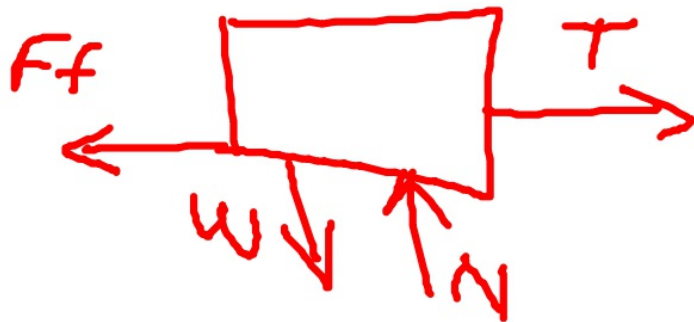
IF LIFT FORCE
IS Greater than
the weight the
OBJECT will move
UP.

FRICTION FORCE (F_f)

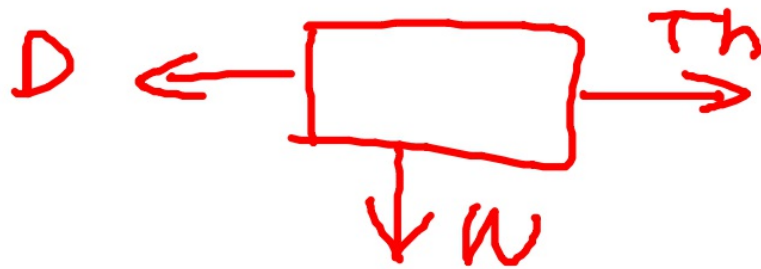
the FORCE that opposes the motion of an object,

Due to SOLID to SOLID CONTACT

F_f is ALWAYS OPPOSITE the motion



DRAW FORCE (D)
the force that opposes the
motion of an object
due to solid / fluid contact
plane



Thrust Force (T_h) - A force that
makes an object move that is
~~between~~ within the object